

SAMPLING HOT MIX ASPHALT ITM 580

APPARATUS

- [] Sampling Plate, square with a minimum size of 8 in. and having a hole of approximately 3/8 in. in diameter
- [] No. 18 mechanics wire or equivalent
- [] Masonry nail or equivalent
- [] Mold, round with a height greater than the mixture thickness and a diameter less than width of the sampling plate
- [] Pitchfork
- [] Square bit shovel narrower than plate
- [] Fire shovel
- [] Grain shovel
- [] Sample container
- [] Oven bag

PROCEDURE -- PLATE SAMPLES, HMA THICKNESS EQUAL TO OR LESS THAN 3 in.

- [] Plate with attached wire placed on pavement, and placed onto a nail if plate movement is a problem
- [] Wire extended beyond edge of pavement width
- [] Plate located with wire, and plate raised slightly for insertion of pitchfork or shovel
- [] Plate and sample lifted from pavement and entire sample on plate placed in sample container. Moisture samples placed in an oven bag and immediately sealed
- [] Sample hole immediately refilled with HMA

PROCEDURE -- PLATE SAMPLES, HMA THICKNESS GREATER THAN 3 in.

- [] Plate with attached wire placed on pavement, and placed onto a nail if plate movement is a problem
- [] Wire extended beyond edge of pavement width
- [] Plate located with wire
- [] Clean mold pushed in a circular motion down into mixture directly over the plate
- [] Plate and mold raised together and pitchfork or shovel inserted under plate
- [] Plate and mold lifted from pavement with both tightly together
- [] Excess material on top of plate that is outside mold discarded by scraping
- [] Sample inside mold placed in sample container. Material remaining on plate scraped into sample container
- [] Moisture sample placed in an oven bag and immediately sealed
- [] Sample hole immediately refilled with HMA

PROCEDURE -- TRUCK SAMPLES, HMA 4.75 mm MIXTURES

- [] Fire shovel inserted into several areas that appear uniform in texture, and mixture placed in sample container
- [] Moisture sample placed in an oven bag and immediately sealed

PROCEDURE -- TRUCK SAMPLES, OPEN GRADED HMA

- [] Grain shovel inserted into mixture between the center of cone and front of truck and sample placed into container
- [] Grain shovel inserted into mixture between the center of cone and back of truck and sample added to first sample

PROCEDURE -- TRUCK SAMPLES, DENSE GRADED HMA

- [] Sample location is approximate mid section of the truck
- [] Shovel is inserted into the coned material and lifted to establish a horizontal plane
- [] Vertical face is established with shovel below the horizontal plane
- [] Sample obtained by inserting shovel horizontally into the vertical face at a depth of approximately twice the thickness of maximum particle size of material and then lifting shovel vertically

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

Acceptance Technician

INDOT

Date

Comments _____
